

Claims

[c1] I claim:

1.A question and answer board game which can be competitively and simultaneously played by players of different skill and age levels comprising a game board with a one directional playing track along which each player moves their pieces based upon a randomly selected value, said track is made up of a playing path containing the atoms of the periodic table, molecules and ions; several sets of multi-level cards bearing questions to which each player must reply with a correct answer to progress towards winning the game.

[c2] 2.A question and answer board game according to claim 1 wherein a player that lands on a space on the playing track must identify the atom, molecule or ion that he or she landed on in order to gain the privilege of picking a game card and answering the question on that card.

[c3] 3.A question and answer board game according to claim 2 wherein a player that has gained the privilege of picking a game card will win money by correctly answering the question on the card.

- [c4] 4.A question and answer board game according to claim 1 wherein said randomly selected value to move each said players pieces is determined by the value of the roll of a dice by each player during that players sequential turn.
- [c5] 5.A question and answer board game according to claim 1 wherein said track is made up of thirty-three spaces containing atoms, molecules, ions and bonus spaces.
- [c6] 6.A question and answer board game according to claim 1 wherein the questions are presented on one side of the question cards with the corresponding answer provided in a question and answer booklet.
- [c7] 7.A question and answer board game according to claim 1 wherein the first player to reach a set dollar amount is the winner of the game.
- [c8] 8.A question and answer board game according to claim 1 wherein said one directional playing track includes four bonus spaces that allows a player to win extra money and to advance to the next level if the requirements are met.
- [c9] 9.A question and answer board game according to claim 1 wherein said cards are divided into two groups, fundamental and advance, based on the definition of the six

levels of learning as defined in the Bloom's taxonomy.

- [c10] 10.A question and answer board game according to claim 9 wherein said fundamental cards are based on learning factual data and conceptual data.
- [c11] 11.A question and answer board game according to claim 9 wherein said advance cards are based on performing procedural tasks, analysis, synthesis and evaluation.
- [c12] 12.A question and answer board game containing a periodic table provided with a side bar and a bottom bar that helps explain the structure of each atom.
- [c13] 13.A question and answer board game according to claim 12 wherein said side bar shows concentric circles (or spheres) representing the number of S orbits that exist in atoms of a row on the periodic table.
- [c14] 14.A question and answer board game according to claim 12 wherein said bottom bar shows the number of electrons that is in the outermost orbit for each column.
- [c15] 15.A question and answer board game according to claim 12 wherein said periodic table with side bar and bottom bar teaches players how to identify atoms by the number of S orbits and the number of electrons that are in the outermost orbit.

- [c16] 16.A question and answer board game containing a periodic table showing the S orbit, P orbits and the number of electrons in each orbit for the first twenty atoms of the periodic table.
- [c17] 17.A question and answer board game containing a table showing molecules and ions with their S orbits, P orbits and sharing of electrons.
- [c18] 18.A question and answer board game containing a buzzer experiment section that teaches electrochemistry.
- [c19] 19.A question and answer board game containing an electronegativity table section that teaches electronegativity, the strength of an atom to take an electron away from another atom.
- [c20] 20.A question and answer board game containing a carbon table section that teaches organic nomenclature.